

NOVEL GLUCOSE TRANSPORTER/SENSOR PROTEIN AND USES THEREOF

Abstract of the Disclosure

5 The present invention provides a method for determining whether a
subject has a defect in cell proliferation. The present invention further provides
a method for assessing the efficacy of therapy to treat a defect in cell
proliferation in a subject who has undergone or is undergoing treatment for a
defect in cell proliferation. Also provided by the present invention is a method
10 for assessing the prognosis of a subject who has a defect in cell proliferation.
Additionally, the present invention provides a method for treating a defect in
cell proliferation in a subject in need of treatment thereof by inhibiting GLUTx.
The present invention also provides methods for treating ischemia in a subject
in need of treatment thereof. Finally, the present invention provides a method
15 for treating infertility in a subject in need of treatment thereof.

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